KEY FEATURES

• **Productivity**
  - Fast index time reduces overall weld cycle time
  - Multiple robot configurations

• **Functionality**
  - Quick installation – robot and positioner on unitized base
  - Cost efficient servo main sweep design

• **Reliability**
  - Pre-engineered, proven design
  - Single source responsibility
  - 24-hour support service

• **Flexibility**
  - Able to accommodate large tool lengths, swing diameters and high weight capacity
  - Easily configured to meet application requirements

The GenS 3X, a three-axis servo-driven turntable system, can handle high volume production parts that require repositioning during the weld cycle.

**Base Positioner Configuration**
- Main axis - servo driven
- Main sweep index time: 4.5 seconds
- Minor axis - dual servo driven trunnions
  - Tool length: 1.5-meters (59-inches)
  - Tool swing diameter: 1.25-meters (49-inches)
  - Weight capacity: 900-kilograms (1,984-lbs)

**Base Component Configuration**
- FANUC ArcMate 100iC or Panasonic TA-1400 G3
- Lincoln i400 or Miller Auto Access 300
- Tregaskiss, Binzel or TBi air-cooled through arm torch
- Genesis torch alignment package
- Safety package (includes light curtains, gate interlock and barriers)
- Genesis Allen-Bradley controls package with L1 processor
- Rotary ground

INNOVATION AND EXPERIENCE FROM YOUR SINGLE SOURCE
Standard Dimensional Specifications

- Tool length **TL**: 1.5-meter (59-inches) to 2.5-meters (98-inches)
- Tool swing diameter **SD**: 1.25-meters (49-inches)
- Load height **LH**: 1.0-meter (39-inches)
- Cell width **CW**: 5870 mm (231-inches) to 5870 mm (31-inches)
- Cell depth **CD**: 5110 mm (201-inches) to 5650 mm (222-inches)
- Cell height **CH**: 2545 mm (100-inches)

Standard Capacity Specifications

- Weight capacity: 900-kilograms
- Engineering specifications for 900-kilogram capacity per station
  - Main axis
    - Out of balance – Station A to Station B 450-kilograms
    - 180-degree index time under 4.5 seconds
  - Minor axis
    - Gearbox rated torque 1617Nm
    - Gearbox ratio 161:1
    - Gearbox maximum moment 2940Nm
    - Motor maximum RPM 4,000
    - Motor torque output 12N
    - Nominal acceleration .5 seconds
    - Allowable tool out of balance torque 250Nm
    - 180-degree index time 2.0 seconds

Standard Platform Options

- Tool length 2.0-meters, 2.5-meters
- Exposed power track cable carrier system
- Robot bridge (configured for one to three robots)
- Smoke hood and extraction system
- Off-line programming
- LaunchIT or standard installation
- Training programs (basic, advanced, maintenance, off-line, CRAW)
- Intelligence Center™

Standard Component Options

- Robot models: FANUC, Panasonic, Motoman
- Process gear: Miller, Lincoln, Fronius, Thermadyne, Hypertherm
- Welding torches: Tregaskiss, Binzel, TBI, Fronius
- Torch cleaners: Tregaskiss, Binzel, TBI
- Controls: PanelView 1000+ Compact

Real time status, alarms, historical trends, critical parameters and automatic backup of your workcell anywhere, anytime.